LOWER LIMB
MSK ULTRASOUND BASICS COURSE

Saturday September 28th 2019
University of Ottawa
Ottawa, ON

Preliminary Program

Limited Spaces available
MSK ULTRASOUND BASICS COURSES - Learning Objectives

MSK US Image Optimization and Knobology

- Understand the relationship between transducer frequency and depth of ultrasound wave tissue penetration
- Be able to demonstrate the use of gain, depth, frequency and focal zone settings to optimize an ultrasound image
- Identify the unique tissue signature echotexture of muscle, nerve bone and tendon

The Lower Limbs

- Be able to identify the ultrasound anatomy of the anterior, medial, lateral and posterior hip joint
- Understand the use of bone acoustic landmarks and surface anatomy to identify key structures in the hip, knee and foot/ankle region
- Demonstrate the normal ultrasound anatomy of the knee joint including the extensor mechanism, the lateral joint space, the medial joint space, and the popliteal fossa
- Be able to recognize the ultrasound appearance of the anterior ankle joint space, the peroneal tendons, the lateral ankle ligaments, the plantar fascia, the Achilles tendon and medial ankle joint complex (posterior tibial tendon and neurovascular bundle)

Declaration of Potential Conflicts of Interest

Speakers will be requested to disclose to the audience any real or apparent conflict(s) of interest that may have a direct bearing of the subject matter of this program.

Accreditation Criteria

Please contact head office (dhaworth@casem-acmse.org) for accreditation status.
07:00-08:00  Registration and breakfast
08:00-08:20  Welcome /Faculty introduction/ Course overview
08:20-08:40  MSK Ultrasound Basic Physics, Knobology, and Ergonomics
             - Marcos Sampaio
08:40-09:00  Imaging Conventions, Tissue Differentiation, and Artifacts
             - Marcos Sampaio
09:00-09:30  The Hip Region: Normal Anatomy as Seen with Ultrasound
             - Jon Halperin
09:30-10:00 The Hip Region: Normal and Abnormal Features with MRI and Ultrasound Correlations
             - Jon Jacobson
10:00-10:30 BREAK—Questions and Answers
10:30-11:00 The Knee, Ankle and Foot: Normal Anatomy as Seen with Ultrasound
             - Julia Iafrate
11:00-11:30 The Knee, Ankle and Foot: Normal and Abnormal Features with MRI and Ultrasound Correlation
             - Jon Jacobson
11:30-12:00 LUNCH
12:00-12:30 Demo: MSK Ultrasound of Hip and Thigh
12:30-13:00 Demo: Knee, Foot and Ankle Ultrasound
13:00-15:00 Lab: Examination of the Hip and Thigh (30 minutes each)
    1) Anterior Hip I
    2) Anterior Hip II
    3) Lateral Hip
    4) Posterior Hip
15:00-17:00 Lab: Examination of the Knee, Foot and Ankle
    1) Anterior and Lateral Knee
    2) Medial and Posterior Knee
    3) Ankle Exam one (Anterior, Medial and Lateral)
    4) Ankle Exam two (Posterior ankle and Foot)
MSK FACULTY

MSK Ultrasound Teaching Faculty
Jon Halperin MD, Dip. Sport Med
Jon Jacobson MD
Julia Iafrate, MD
Martin Lamontagne, MD
Gerry Malanga, MD
Rose Martel, MD, Dip. Sport Med.
Marcos Sampaio, MD
Jeff Strakowski MD

MSK Ultrasound Lab Faculty
David Mai, MD, CCFP (SEM) Dip Sport Med
Taryn Taylor, MD, CCFP (SEM) Dip Sport Med
Jessica Curran, MD, CCFP (SEM), Dip. Sport Med

COURSE LOCATION
The Ottawa Hospital, Civic Campus
Loeb Research Building – 1st floor
725 Parkdale Ave
Ottawa ON
K1Y 4E9

Google map link:
https://goo.gl/maps/7Tt5Cspdtxq
Dr. Jon A. Jacobson, MD

Jon A. Jacobson, MD is a Professor of Radiology and Director of the Division of Musculoskeletal Radiology in the Department of Radiology at the University of Michigan.

Dr. Jacobson earned his medical degree at Wayne State University and completed his diagnostic radiology residency in Detroit, Michigan. Following his Musculoskeletal Fellowship at University of California, San Diego, he joined the faculty at the University of Michigan in Ann Arbor, Michigan where he is a Professor of Radiology and Director of the Division of Musculoskeletal Radiology. Dr. Jacobson’s research interests include musculoskeletal ultrasound and MRI. Dr. Jacobson academic achievements include over 160 peer-reviewed publications and over 900 invited national and international lectures or workshops. Dr. Jacobson has been a visiting professor on 29 occasions and is also active in various medical societies and reviews for several journals. Jon was recognized by the International Skeletal Society and awarded the President’s Medal, and has received numerous teaching and mentoring awards from the residents at University of Michigan.

In 2008, Dr. Jacobson authored the reference book *Fundamentals of Musculoskeletal Ultrasound*, a volume in the *Fundamentals of Radiology* series, which is now in it’s second

Dr. Jonathan Halperin, MD, Dip. Sport Med

Board certified: Physical Medicine and Rehabilitation, Dip Sport Med CASEM; CAQ Sports Medicine ABMS, Sharp Rees Stealy Medical Group San Diego, CA, Medical School: Queen’s University at Kingston, Ontario Canada, Residency: Loma Linda University Medical Center (PM&R), Team Physician: Canadian National Alpine and Para-alpine Ski Teams, Co-course director AAPMR lower limb MSK Ultrasound course.
**REGISTRATION FORM**

**Lower Limb Basics MSK Ultrasound Course**

**Saturday, September 28th 2019 - Ottawa, ON**

*Please complete the form and send to cpd@casem-acmse.org or by fax at 613-912-0128*

**COURSE REGISTRATION FEE**

(Please circle an option)

- CASEM Member $600.00 CDN
- Non Members $700.00 CDN

First & Last Name _____________________________________________________________

Address __________________________________________________________________________

Address __________________________________________________________________________

Postal Code ________________________________________________________________________

E-mail Address _________________________________________________________________

Tel. ______________________________________________________________________________

Method of payment (please circle)

- Credit Card VISA ______ M/C ______ Cheque included ______

Credit Card Number _____________________________________________________________

Expiry Date m/y ________________ CVC number: ________________

Signature____________________________________

**CANCELLATION POLICY**

A $100.00 CDN cancellation fee will apply to all reimbursements issued prior to **July 31st 2019**. After this date no refunds will be issued.

Please complete the registration form with a method of payment and return to:

**CANADIAN ACADEMY OF SPORT AND EXERCISE MEDICINE**

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**Please note that CASEM/ ACMSE reserves the right to cancel the course due to low enrollment.**

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